



S. F. Little
1-25-02

Patent
Attorney Docket No. 051252-5201
Application S.N. 09/442,977

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#9/12

In re Application of:

Dr. Martin MAAS

Application No.: 09/442,977

Filed: 18 November 1999

For: HIGH PRESSURE FUEL PUMP
DELIVERY CONTROL BY PISTON
DEACTIVATION

Group Art Unit: 3747

Examiner: C. Miller

Commissioner for Patents
Washington, D.C. 20231

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TECHNOLOGY CENTER R3700

Sir:

**AMENDMENT AND REQUEST FOR
RECONSIDERATION UNDER 37 C.F.R. § 1.111**

In response to the non-final Office Action mailed **October 11, 2001**, the period for response extending through January 11, 2002, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Please replace the paragraph starting on page 6, line 25 with the following paragraph:

--A bypass valve 82 is fluidly connected to at least one piston 78 to deactivate the piston 78. The bypass valve 82 includes a solenoid 84 for opening and closing the bypass valve 82. Figure 4 shows the bypass valve 82 closed. When the bypass valve 82 is opened, hydraulic oil displaced by the piston 78 flows to the bypass valve through passage 92 and then to the low pressure side of the pump via passage 94. Therefore, when the bypass valve 82 is open, the piston 78 is deactivated. When deactivated or disabled, the piston 78 consumes no power except that needed to overcome mechanical friction and flow resistance over the bypass valve 82.